

ABSTRACT OF THE DISCLOSURE

5 A traffic light violation prediction and recording
system, including at least one violation prediction video
camera and a violation prediction unit. The violation
prediction unit generates violation probability scores for
vehicles approaching a traffic intersection based on
10 attributes of those vehicles, such as position, current
speed and acceleration. The violation probability scores
are passed to a violation recording unit, which allocates
violation recording resources, such as a violation video
camera, to capture activities of one or more vehicles
associated with relatively high violation probabilities.
15 The violation recording unit determines a violation
recording resource allocation schedule. If sufficient
resources cannot be allocated to record all possible
violations within a given time period, the violation
recording unit may ignore a potential violation having a
20 relatively low priority. In one embodiment, the violation
recording resources include a number of video cameras, as
well as one or more violation recorders capable of
producing digital data files for storing video recordings
of the violation as it occurred.

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